

DECLARATION AND POWER OF ATTORNEY FOR PATENT APPLICATION

DOCKET NO. TSMC98-850/852

As a below named Inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name;

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled
Tilt-Angle Ion Implant To Improve Junction Breakdown In Flash Memory Application

the specification of which (check one)

X is attached hereto.

was filed on _____

Application Serial No. _____

and was amended on _____ (if applicable)

I hereby state that I have reviewed and understand the contents of the above identified specification including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, §1.56(a).

I hereby claim foreign priority benefits under Title 35, United States Code §119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

Prior Foreign Application(s)

Priority Claimed:

(Number)	(Country)	(Day/Month/Year Filed)

I hereby claim the benefit under Title 35, United States Code §120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, §1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

(Application Serial No.)	(Filing Date)	(Status) (patented, pending, abandoned)

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

POWER OF ATTORNEY: As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith. (list name & registration no.)

GEORGE O. SAILE. (Reg. No. 19,572), STEPHEN B. ACKERMAN (Reg. No. 37,761)

Send Correspondence to: 20 MCINTOSH DRIVE, POUGHKEEPSIE; NEW YORK 12603

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CHRONG-JUNG LIN

Full name of sole or first inventor

Chrong-Jung Lin

Date

May 4, 1999

Residence 2F, No. 342, Chung Cheng Rd., Hsin-Tien City, Taipei, Taiwan

Citizenship Taiwan, Republic of China

Post Office Address No. 9, Creation Rd. 1, Science-Based Industrial Park, Hsin-Chu, Taiwan, R.O.C.

3. Fee Calculation

CLAIMS AS FILED

FOR:	NO. FILED	NO. EXTRA	RATE	FEE
BASIC FEE				\$ 710.
TOTAL CLAIMS	3 -20=	0	x 18 =	\$ 0.
INDEP CLAIMS	1 -3=	0	x 80 =	\$ 0.
MULTIPLE DEPENDENT CLAIM PRESENTED			+ 260 =	

Filing Fee Calculation \$ 710

4. Method Of Payment of Fees

- Charge Account No. 19-0033 in the amount of \$ 710. A duplicate of this request is attached.
- The Commissioner is hereby authorized to charge the following additional fees which may be required to Account No. 19-0033
- 37 CFR 1.16 (filing fees and presentation or extra claims)

5. Drawings

Note: Do not check the following box if prior case is not to be abandoned.

- Transfer the drawings from the prior application to this application and, subject to item 13 below, abandon said prior application as of the filing date accorded this application. A duplicate copy of this request is enclosed for filing in the prior application file. (May only be used if signed by (1) applicant (2) assignee of record or (3) attorney or agent of record authorized by 37CFR 1.138 and before payment of issue fee.)

- New drawings are enclosed

formal

Informal

6 Priority - 35 U.S.C. 119

- Priority of application serial no. _____ Filed on _____ In _____ Is claimed under 35 U.S.C. 119.

- The certified copy has been filed in prior application serial no. _____ filed on _____

7. Assignment

- The prior application is assigned of record to
TAIWAN SEMICONDUCTOR MANUFACTURING COMPANY

HUNG - DER SU

Full name of second inventor

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Date 5/4/1999

Hung - Der Su

Inventor's signature

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Citizenship

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Post Office Address

JONG CHEN

Full name of third inventor

Date

May 4, 1999

Jong Chen

Inventor's signature

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WEN - TING CHU

Full name of fourth inventor

Date

May 14, 1999

Wen - Ting Chu

Inventor's signature

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Post Office Address

Full name of fifth inventor

Date

Inventor's signature

Residence

Citizenship

Post Office Address

Full name of sixth inventor

Date

Inventor's signature

Residence

Citizenship

Post Office Address